

**Amendments to Claims:**

This listing of claims will replace all prior versions and listings of the claims in the application:

**Listing of Claims:**

1. (currently amended) A method for controlling a decoder when a first data and a second data are successively received in a mobile communication system, comprising the steps of:
  - a) decoding the first data;
  - b) determining whether the completion status of the decoder is; and
  - c) interrupting the decoding of the first data at a predetermined time before a response (ACK/NAK) time delay of the first data expires if the decoder is still in operation to decode the first data at a decoding start time of the second data.
2. (original) The method as set forth in claim 1, further comprising the step of:
  - d) decoding the second data.
3. (original) The method as set forth in claim 1, further comprising the step of:
  - d) finishing the first data decoding operation, and storing the first data decoding result if the first data decoding operation is normally completed before the response (ACK/NAK) time expires.
4. (original) The method as set forth in claim 1, wherein the mobile communication system is receiving a control message and at the same time receiving a data.
5. (original) The method as set forth in claim 1, wherein the response (ACK/NAK) time delay is at least 2-slots.
6. (original) The method as set forth in claim 1, wherein the predetermined time is determined to allow a decoding time of the first data to be equal to that of the second data.

7. (original) The method as set forth in claim 1, wherein the predetermined time is determined to allocate a decoding time of individual data in proportion to individual data size of the first data and the second data.

8. (original) The method as set forth in claim 1, wherein the predetermined time, upon receipt of information indicative of initial transmission or re-transmission of individual data, is determined to allow a decoding time of initial transmission data to be longer than that of re-transmission data.

9. (currently amended) A computer readable medium of instructions to control a decoder when a first data and a second data are successively received in a mobile communication system, the computer readable medium of instructions comprising:

a first set of instructions to control the decoder to decode ~~the~~ a first data;

a second set of instructions to control the decoder to determine ~~whether~~ the completion status of the decoder ~~is~~; and

a third set of instructions to control the decoder to interrupt the decoding of the first data of the decoder at a predetermined time before a response (ACK/NAK) time delay of the first data expires if the decoder is still in operation to decode the first data at a decoding start time of the second data.

10. (original) The computer readable medium of instructions as set forth in claim 9, further comprising a forth set of instructions to control the decoder to decode the second data.

11. (original) The computer readable medium of instructions as set forth in claim 9, further comprising a forth set of instructions to control the decoder to finish the first data decoding operation and store the first data decoding result if the first data decoding operation is normally completed before the response (ACK/NAK) time expires.

12. (original) The computer readable medium of instructions as set forth in claim 9, wherein the mobile communication system is receiving a control message and at the same time receiving a data.

13. (original) The computer readable medium of instructions as set forth in claim 9, wherein the response (ACK/NAK) time delay is at least 2-slots.

14. (original) The computer readable medium of instructions as set forth in claim 9, wherein the predetermined time of the third set of instructions is determined to allow a decoding time of the first data to be equal to that of the second data.

15. (original) The computer readable medium of instructions as set forth in claim 9, wherein the predetermined time of the third set of instructions is determined to allocate a decoding time of individual data in proportion to individual data size of the first data and the second data.

16. (original) The computer readable medium of instructions as set forth in claim 9, wherein the predetermined time of the third set of instructions, upon receipt of information indicative of initial transmission or re-transmission of individual data, is determined to allow a decoding time of initial transmission data to be longer than that of re-transmission data.

17. (new) The method as set forth in claim 2, wherein the decoding of the first and second data occurs before the response (ACK/NAK) time delay of the first data expires.

18. (new) The method as set forth in claim 2, wherein a combined decoding time of the first and second data is maximized.

19. (new) The computer readable medium of instructions as set forth in claim 10, wherein the decoding of the first and second data occurs before the response (ACK/NAK) time delay of the first data expires.

20. (new) The computer readable medium of instructions as set forth in claim 10, wherein a combined decoding time of the first and second data is maximized.

21. (new) A method for controlling a decoder when a first data and a second data are successively received in a mobile communication system, comprising the steps of:

- a) decoding the first data using the decoder;
- b) determining a response (ACK/NAK) time delay of the first data;
- c) interrupting the decoding of the first data at a predetermined time before the response (ACK/NAK) time delay of the first data expires, if the decoder is still in operation to decode the first data at a decoding start time of the second data; and
- d) decoding the second data using the decoder at the predetermined time, wherein the decoding of the first and second data occurs before the response (ACK/NAK) time delay of the first data expires and a combined decoding time of the first and second data is maximized.

22. (new) A computer readable medium of instructions to control a decoder when a first data and a second data are successively received in a mobile communication system, the computer readable medium of instructions comprising:

- a first set of instructions to control the decoder to decode the first data;
- a second set of instructions to control the decoder to determine a response (ACK/NAK) time delay of the first data;
- a third set of instructions to control the decoder to interrupt the decoding of the first data at a predetermined time before the response (ACK/NAK) time delay of the first data expires, if the decoder is still in operation to decode the first data at a decoding start time of the second data; and
- a fourth set of instructions to control the decoder to decode the second data using the decoder at the predetermined time,

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wherein the decoding of the first and second data occurs before the response  
(ACK/NAK) time delay of the first data expires and a combined decoding time of the first and  
second data is maximized.